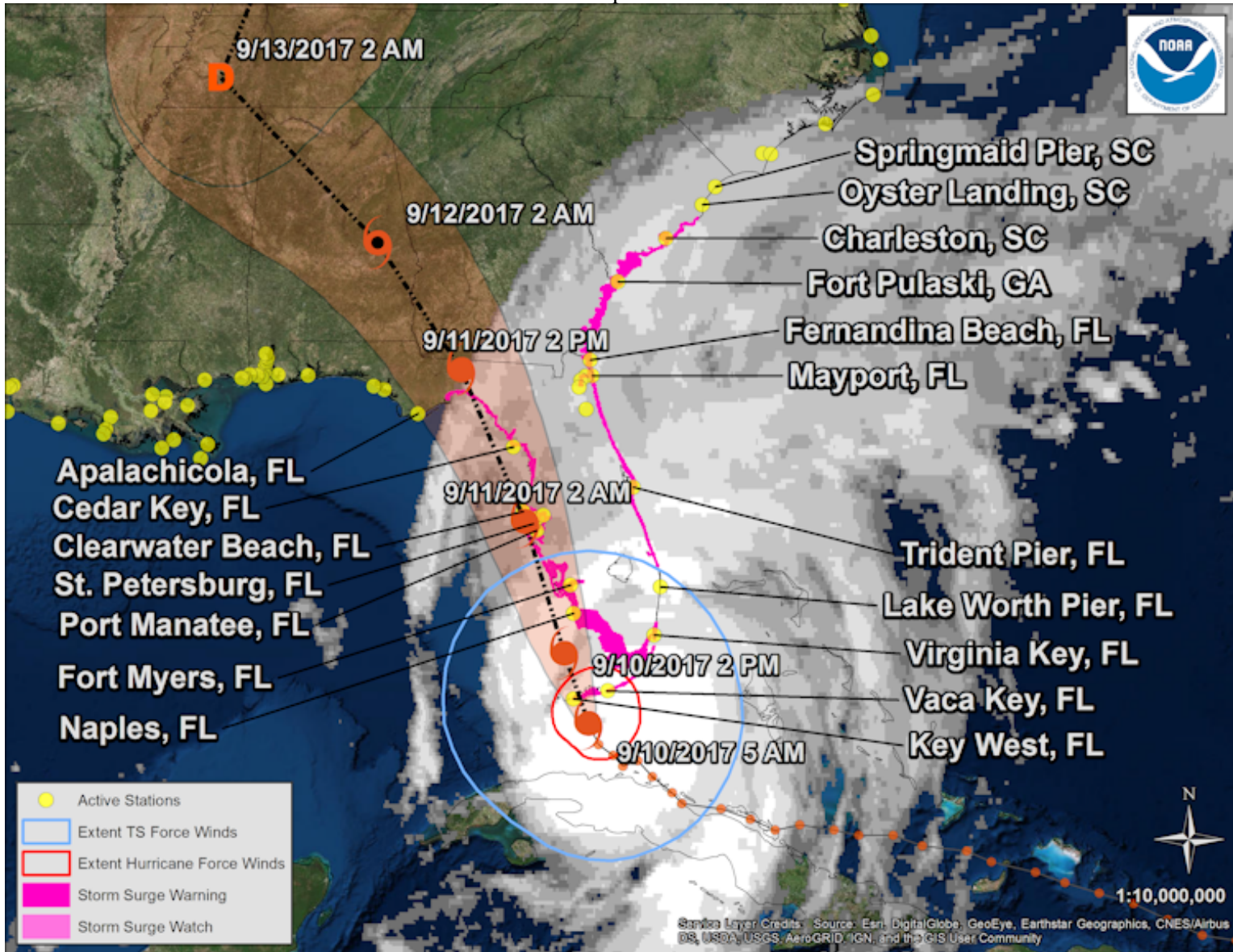




Hurricane IRMA QuickLook Posted: 06:00 EDT 09/10/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/10/2017 06:00 EDT, water levels across the Florida Keys are rising and range from 1 to 2 feet above tidal predictions. Water levels along the east coast of Florida to South Carolina are also elevated and generally range from 1 to 3 feet above normal tide levels with highest levels being reported along the Florida/Georgia border. Along the west coast of Florida and the Florida panhandle, water levels have fallen and are measuring 1 to 2 feet below normal tide levels.

Winds from Key West to Lake Worth Pier are increasing and range from 30 to 40 knots with gusts between 45 and 65 knots. Barometric pressure is rapidly falling across south Florida.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: RCL

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Hurricane Irma Advisory Number 45
NWS National Hurricane Center Miami FL
500 AM EDT Sun Sep 10 2017

...EYE OF IRMA ABOUT TO MOVE ACROSS THE LOWER FLORIDA KEYS...

SUMMARY OF 500 AM EDT...0900 UTC...INFORMATION

LOCATION...24.1N 81.5W
ABOUT 40 MI...65 KM SSE OF KEY WEST FLORIDA
ABOUT 140 MI...225 KM S OF NAPLES FLORIDA
MAXIMUM SUSTAINED WINDS...130 MPH...215 KM/H
PRESENT MOVEMENT...NW OR 325 DEGREES AT 8 MPH...13 KM/H
MINIMUM CENTRAL PRESSURE...928 MB...27.41 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Government of the Bahamas has replaced the Hurricane Warning for the Northwestern Bahamas with a Tropical Storm Watch for the Northwestern Bahamas islands of Bimini and Grand Bahama.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

- * South Santee River southward to Jupiter Inlet
- * North Miami Beach southward around the Florida peninsula to the Ochlockonee River
- * Florida Keys
- * Tampa Bay

A Hurricane Warning is in effect for...

- * Fernandina Beach southward around the Florida peninsula to Indian

Pass

- * Florida Keys
- * Lake Okeechobee
- * Florida Bay
- * Cuban provinces of Ciego de Avila, Sancti Spiritus, Villa Clara, Matanzas, and La Habana

A Hurricane Watch is in effect for...

- * North of Fernandina Beach to Edisto Beach

A Tropical Storm Warning is in effect for...

- * West of Indian Pass to the Okaloosa/Walton County Line
- * North of Fernandina Beach to South Santee River

A Tropical Storm Watch is in effect for...

- * Bimini and Grand Bahama

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, generally within 48 hours.

Interests elsewhere in Cuba and the southeastern United States should monitor the progress of Irma.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside

the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 AM EDT (0900 UTC), the center of Hurricane Irma was located near latitude 24.1 North, longitude 81.5 West. Irma is moving toward the northwest near 8 mph (13 km/h). A turn toward the north-northwest and an increase in forward speed are expected later today, with that motion continuing through Monday. On the forecast track, the eye of Irma should move over the Lower Florida Keys in the next few hours, then move near or over the southwestern coast of the Florida Peninsula later today through tonight. Irma should then move inland over the Florida panhandle and southwestern Georgia Monday afternoon.

Maximum sustained winds are near 130 mph (215 km/h) with higher gusts. Irma is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. While weakening is forecast, Irma is expected to remain a powerful hurricane as it moves through the Florida Keys and near the west coast of Florida.

Hurricane-force winds extend outward up to 80 miles (130 km) from the center and tropical-storm-force winds extend outward up to 220 miles (350 km). The National Ocean Service station at Vaca Key Florida recently reported sustained winds of 48 mph (78 km/h) and a gust of 78 mph (126 km/h). A private anemometer at Alligator Reef Light, Florida recently reported a wind gust of 88 mph (141 km/h).

The latest minimum central pressure reported by an Air Force Reserve Hurricane Hunter aircraft is 928 mb (27.41 inches).

HAZARDS AFFECTING LAND

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following **HEIGHTS ABOVE GROUND** if the peak surge occurs at the time of high tide...

Cape Sable to Captiva...10 to 15 ft
Captiva to Ana Maria Island...6 to 10 ft
Card Sound Bridge through Cape Sable, including the Florida Keys...
5 to 10 ft
Ana Maria Island to Clearwater Beach, including Tampa Bay...
5 to 8 ft
North Miami Beach to Card Sound Bridge, including Biscayne Bay...
3 to 5 ft
South Santee River to Fernandina Beach...4 to 6 ft

Clearwater Beach to Ochlockonee River...4 to 6 ft
Fernandina Beach to Jupiter Inlet...2 to 4 ft
North of North Miami Beach to Jupiter Inlet...1 to 2 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

The combination of a life-threatening storm surge and large breaking waves will raise water levels **ABOVE NORMAL TIDE LEVELS** by the following amounts within the hurricane warning area near and to the north of the center of Irma. Near the coast, the surge will be accompanied by large and destructive waves.

Northern coast of Cuba in the warning area...5 to 10 ft

WIND: Hurricane conditions are expected to continue within the hurricane warning area along the north coast of Cuba through this morning. Hurricane conditions are spreading across portions of the Florida Keys, and should spread northward over the remainder of the Keys and the southern Florida peninsula during the next several hours. Tropical storm and hurricane conditions are expected to spread northward across the remainder of the warning areas through Monday. Tropical storm conditions are possible in the watch area in the Northwestern Bahamas today.

RAINFALL: Irma is expected to produce the following rain accumulations through Wednesday:

Western Cuba...Additional 3 to 6 inches, isolated 10 inches.
Western Bahamas...Additional 2 to 4 inches, isolated 6 inches.
The Florida Keys...15 to 20 inches, isolated 25 inches.
The southern Florida peninsula...10 to 15 inches, isolated 20 inches.
The remainder of the Florida peninsula and southeast Georgia...8 to 12 inches, isolated 16 inches.
The rest of Georgia, eastern Florida Panhandle, southern and western South Carolina, and western North Carolina...3 to 6 inches, isolated 10 inches.
Eastern Alabama and southern Tennessee...2 to 5 inches.

In all areas this rainfall may cause life-threatening flash floods and, in some areas, mudslides.

TORNADOES: Tornadoes are possible through tonight, mainly across southern, central, and eastern portions of the Florida Peninsula.

THE EYE: Do not venture outside when the calm eye of the hurricane passes over, as dangerous winds will return very quickly when the eye moves away.

SURF: Swells generated by Irma are affecting the southeast coast of the United States. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

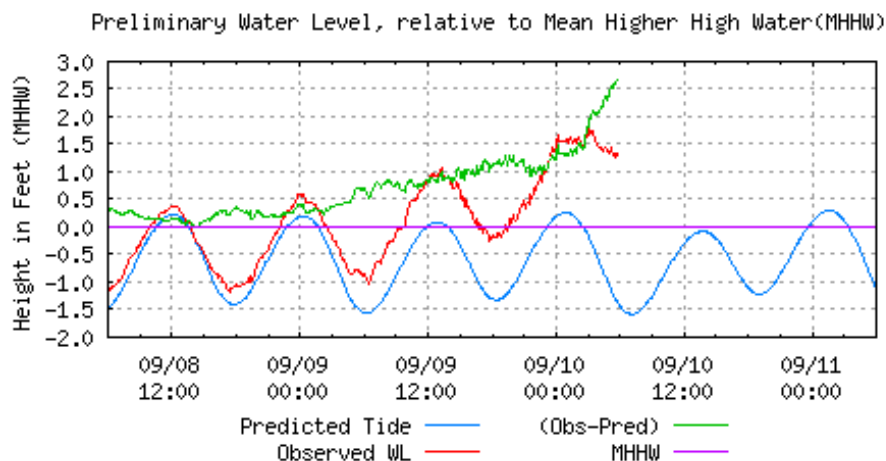
Next intermediate advisory at 800 AM EDT.
Next complete advisory at 1100 AM EDT.

Forecaster Beven

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Key West - Barometric](#), [Vaca Key, Florida Bay - Water Level](#), [Vaca Key, Florida Bay - Winds](#), [Vaca Key, Florida Bay - Barometric](#), [Virginia Key, Biscayne Bay - Water Level](#), [Virginia Key, Biscayne Bay - Winds](#), [Virginia Key, Biscayne Bay - Barometric](#), [Naples, Gulf of Mexico - Water Level](#), [Naples, Gulf of Mexico - Winds](#), [Naples, Gulf of Mexico - Barometric](#), [Lake Worth Pier, Atlantic Ocean - Water Level](#), [Lake Worth Pier, Atlantic Ocean - Winds](#), [Fort Myers, Caloosahatchee River - Water Level](#), [Fort Myers, Caloosahatchee River - Winds](#), [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Trident Pier, Port Canaveral - Water Level](#), [Trident Pier, Port Canaveral - Winds](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Charleston, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Winds](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#)

NOAA/NOS/CO-OPS 8724580 Key West, FL



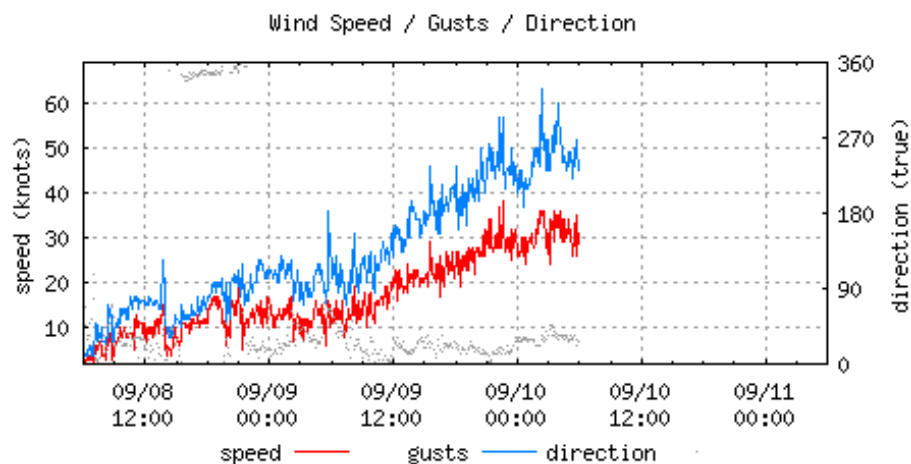
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: 1.28 ft. Predicted: -1.38 ft. Residual: 2.66 ft.

Historical Maximum Water Level: Oct 24 2005, 3.14 ft.

Next High Tide: 09/10/2017 13:45 (EDT), -0.08 ft.

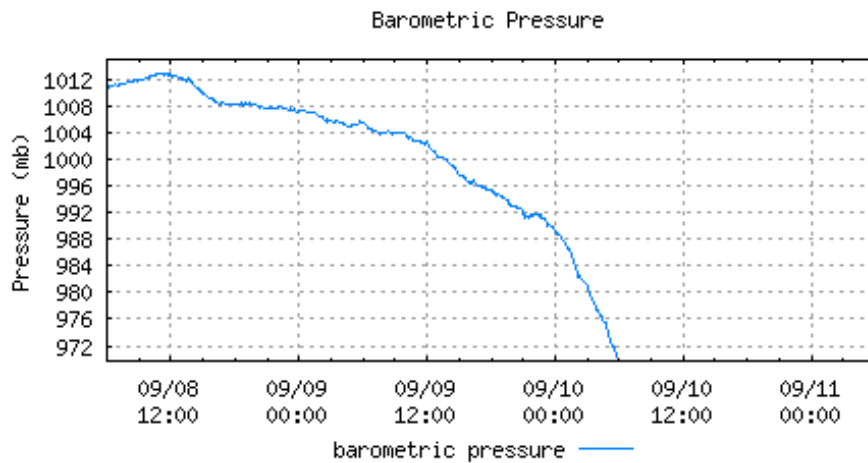
NOAA/NOS/CO-OPS 8724580 Key West, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 31 knots Gusts: 45 knots Direction: 26° T

NOAA/NOS/CO-OPS 8724580 Key West, FL

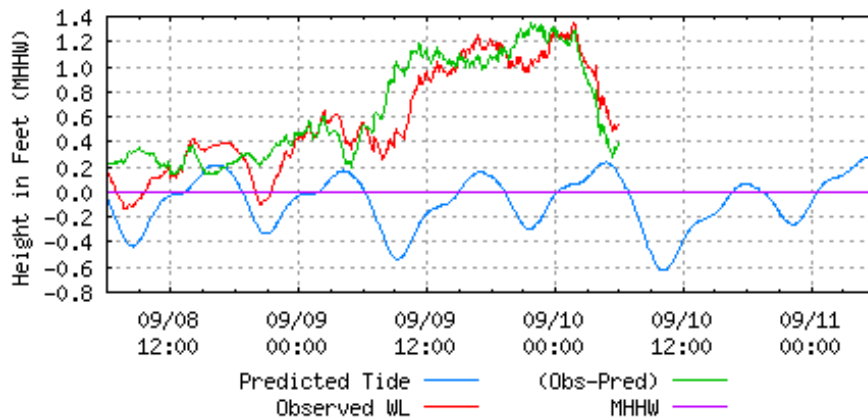


Last Observed Sample: 09/10/2017 05:54 (EDT)

Barometric Pressure: 970.2 mb

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: 0.54 ft. Predicted: 0.15 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Oct 24 2005, 5.80 ft.

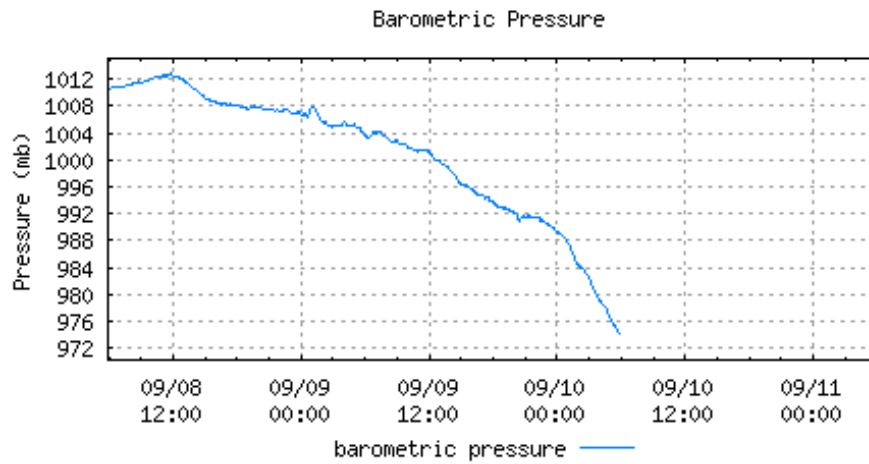
Next High Tide: 09/10/2017 17:49 (EDT), 0.06 ft.

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 40 knots Gusts: 55 knots Direction: 104° T

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

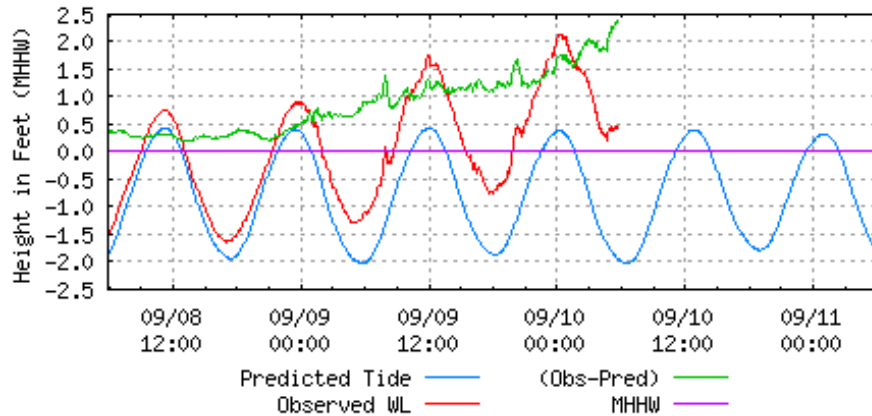


Last Observed Sample: 09/10/2017 05:54 (EDT)

Barometric Pressure: 973.7 mb

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/10/2017 05:48 (EDT). Data relative to MHHW

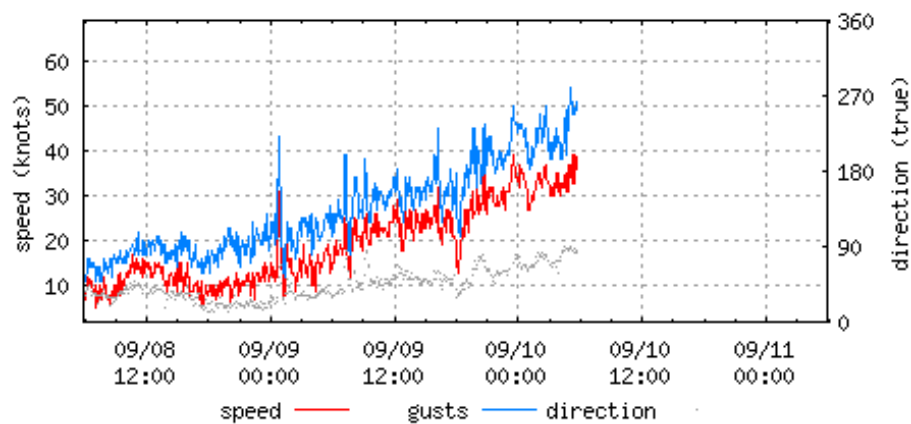
Observed: 0.34 ft. Predicted: -1.96 ft. Residual: 2.30 ft.

Historical Maximum Water Level: Oct 24 2005, 2.58 ft.

Next High Tide: 09/10/2017 12:50 (EDT), 0.40 ft.

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL

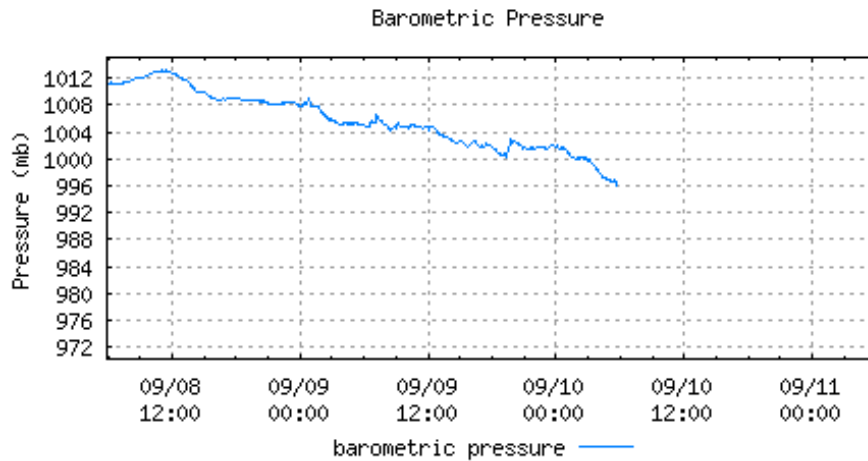
Wind Speed / Gusts / Direction



Last Observed Sample: 09/10/2017 05:48 (EDT)

Wind Speed: 37 knots Gusts: 48 knots Direction: 80° T

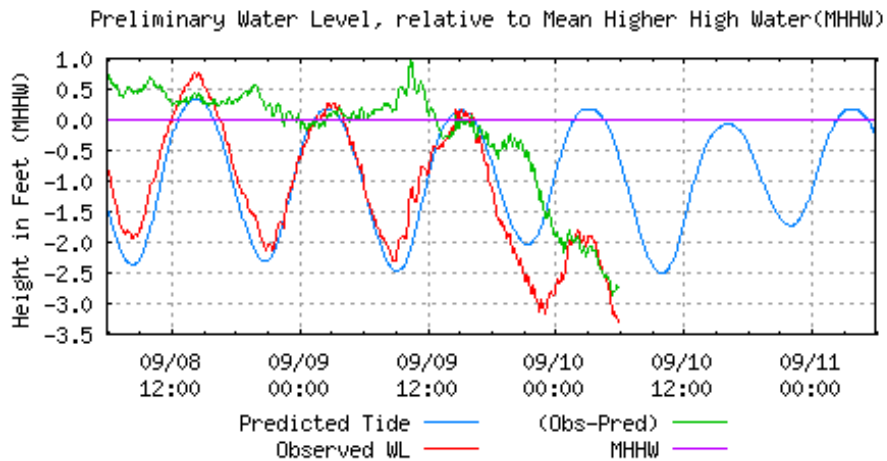
NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



Last Observed Sample: 09/10/2017 05:48 (EDT)

Barometric Pressure: 996.0 mb

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



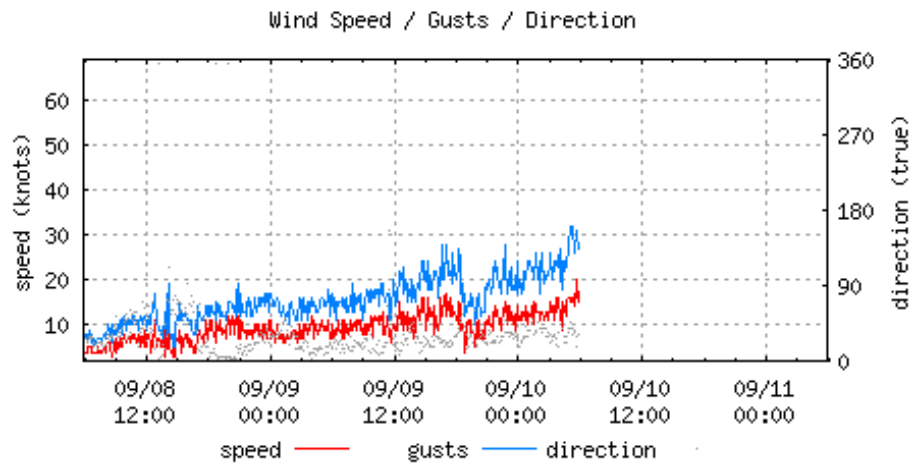
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -3.45 ft. Predicted: -0.62 ft. Residual: -2.83 ft.

Historical Maximum Water Level: Dec 21 1972, 3.11 ft.

Next High Tide: 09/10/2017 16:07 (EDT), -0.07 ft.

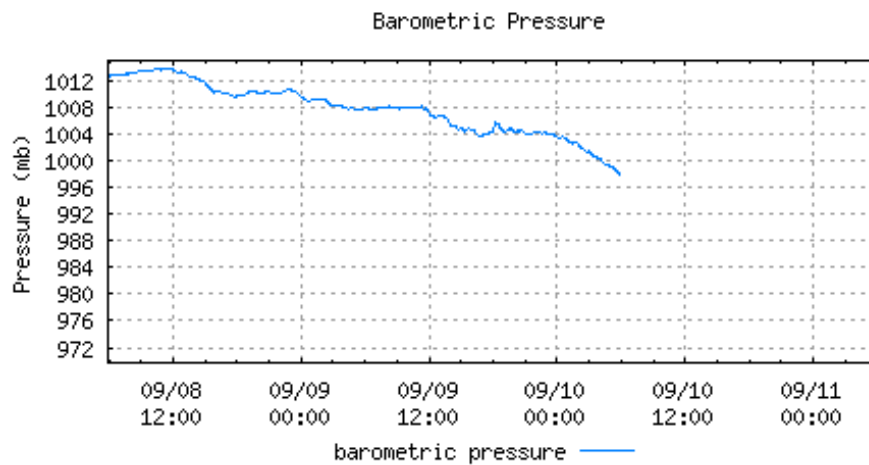
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 15 knots Gusts: 31 knots Direction: 35° T

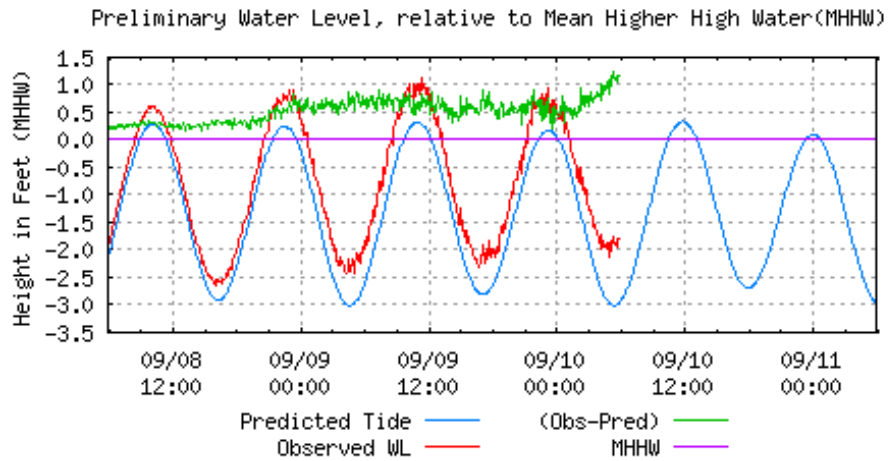
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Barometric Pressure: 998.0 mb

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



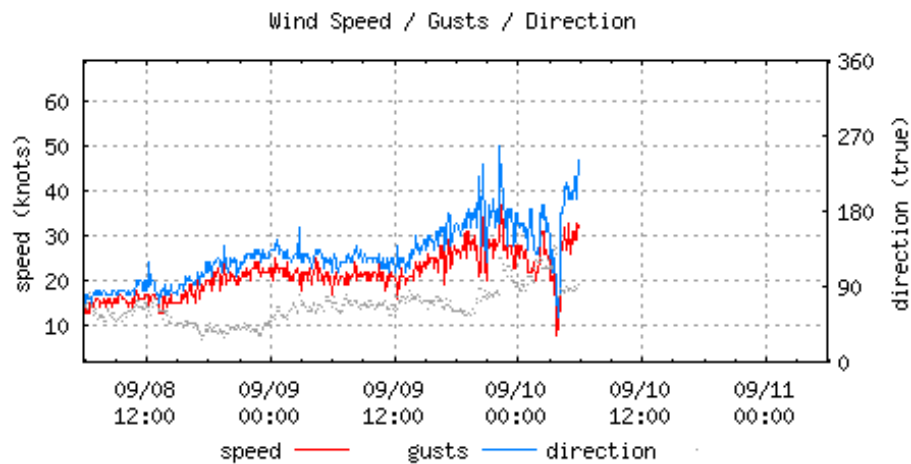
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.71 ft. Predicted: -2.94 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Oct 28 2012, 2.00 ft.

Next High Tide: 09/10/2017 11:45 (EDT), 0.33 ft.

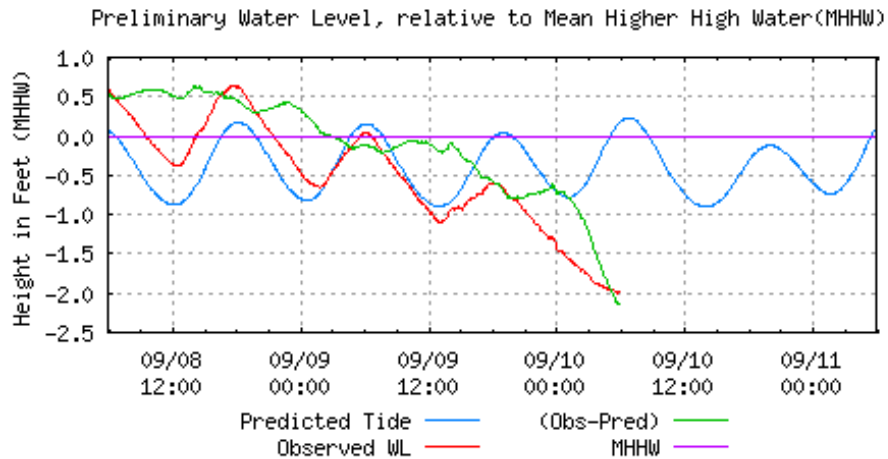
NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 32 knots Gusts: 47 knots Direction: 93° T

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



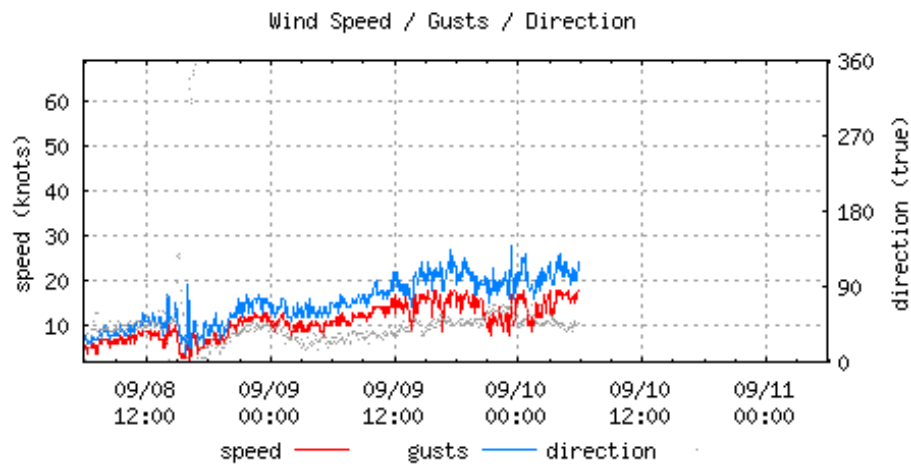
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -2.00 ft. Predicted: 0.17 ft. Residual: -2.17 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 09/10/2017 06:42 (EDT), 0.23 ft.

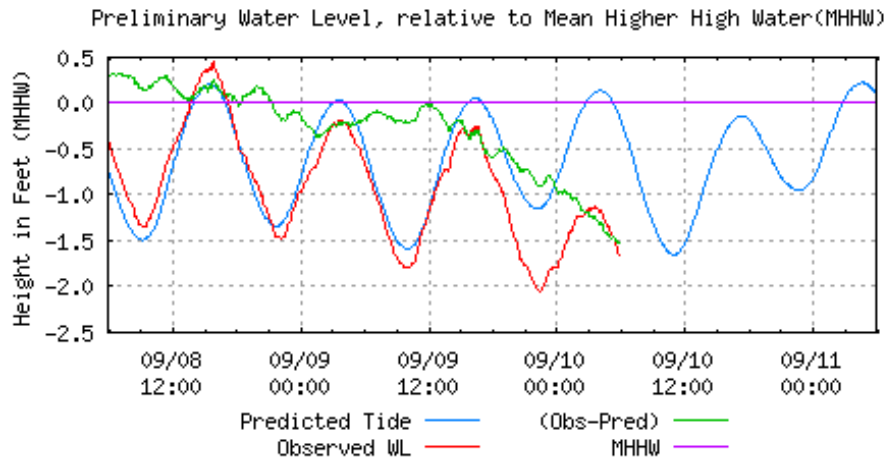
NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 17 knots Gusts: 22 knots Direction: 40° T

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



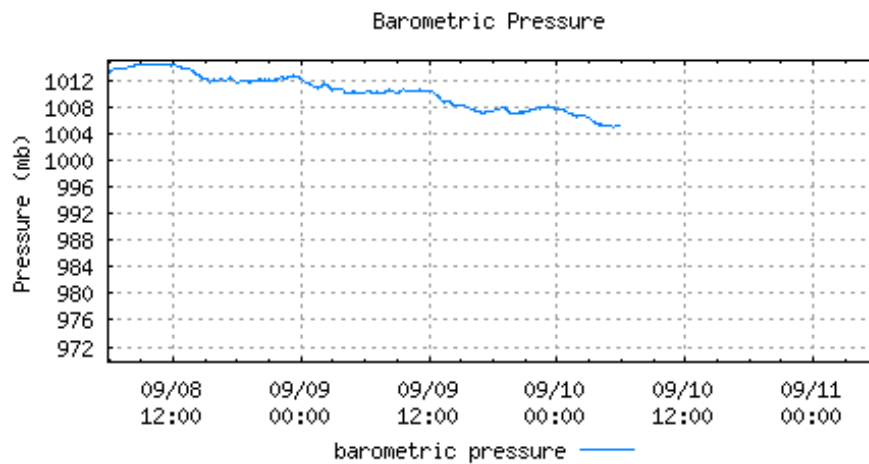
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.68 ft. Predicted: -0.16 ft. Residual: -1.52 ft.

Historical Maximum Water Level: Sep 6 2004, 2.29 ft.

Next High Tide: 09/10/2017 17:18 (EDT), -0.14 ft.

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL

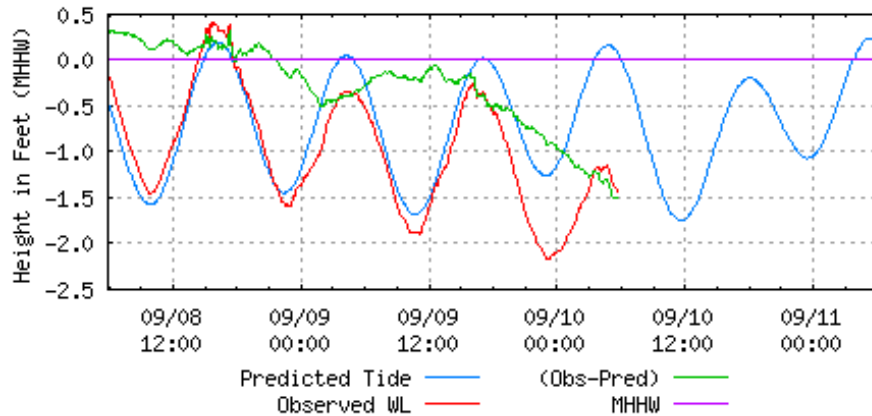


Last Observed Sample: 09/10/2017 05:54 (EDT)

Barometric Pressure: 1005.1 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/10/2017 05:48 (EDT). Data relative to MHHW

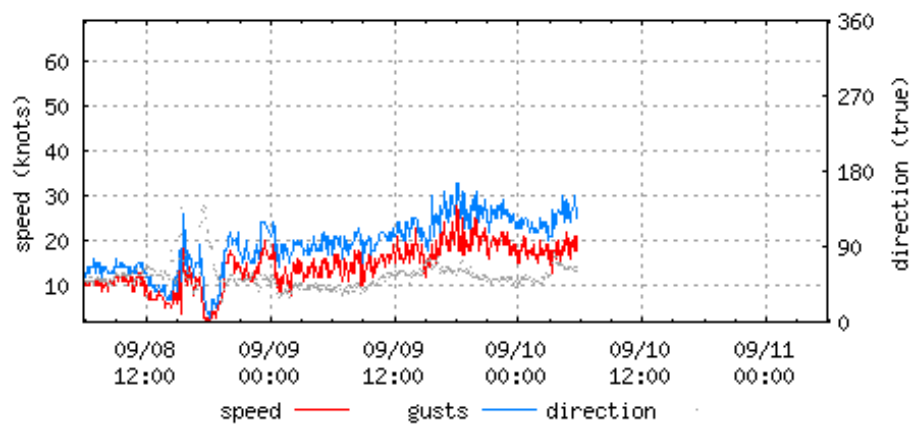
Observed: -1.46 ft. Predicted: 0.06 ft. Residual: -1.52 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 09/10/2017 18:03 (EDT), -0.19 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

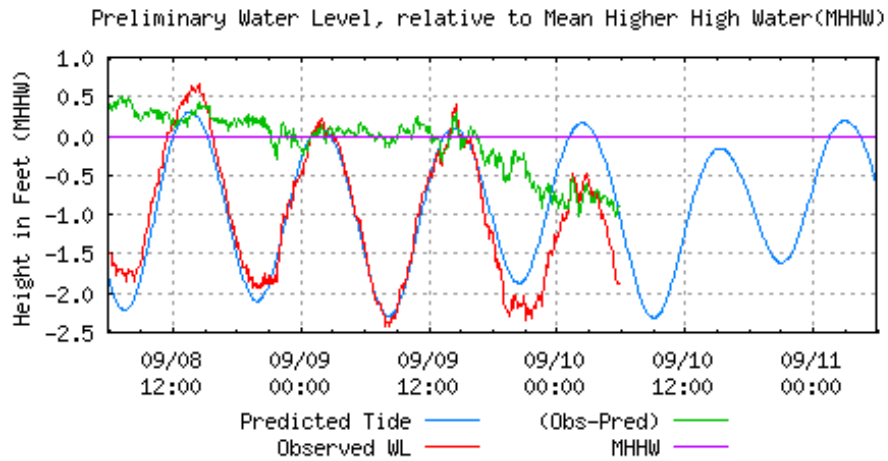
Wind Speed / Gusts / Direction



Last Observed Sample: 09/10/2017 05:48 (EDT)

Wind Speed: 20 knots Gusts: 27 knots Direction: 60° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



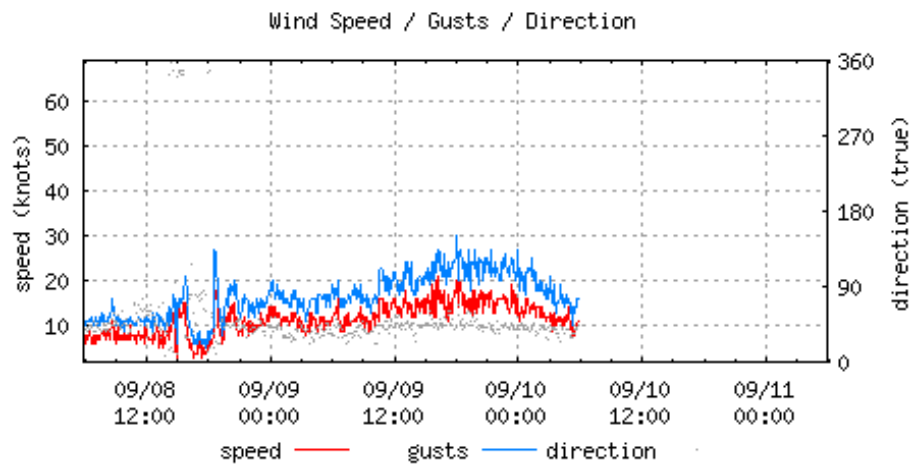
Last Observed Sample: 09/10/2017 05:48 (EDT). Data relative to MHHW

Observed: -1.87 ft. Predicted: -0.99 ft. Residual: -0.88 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 09/10/2017 15:15 (EDT), -0.16 ft.

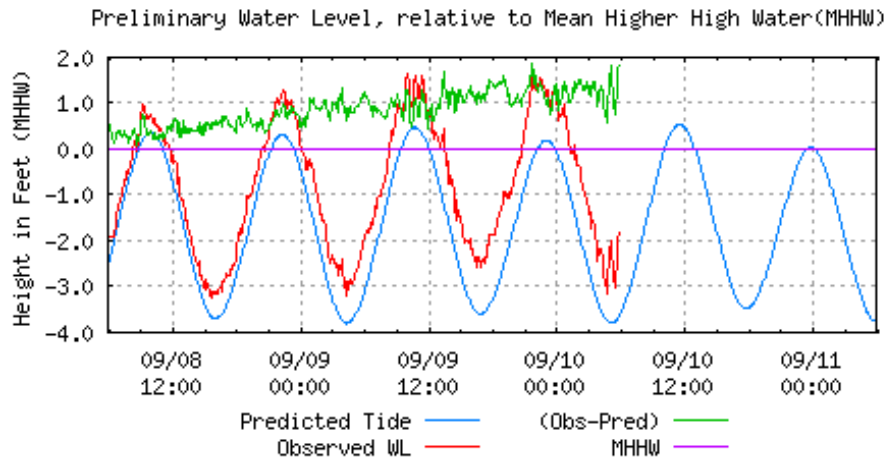
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/10/2017 05:48 (EDT)

Wind Speed: 11 knots Gusts: 16 knots Direction: 43° T

NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



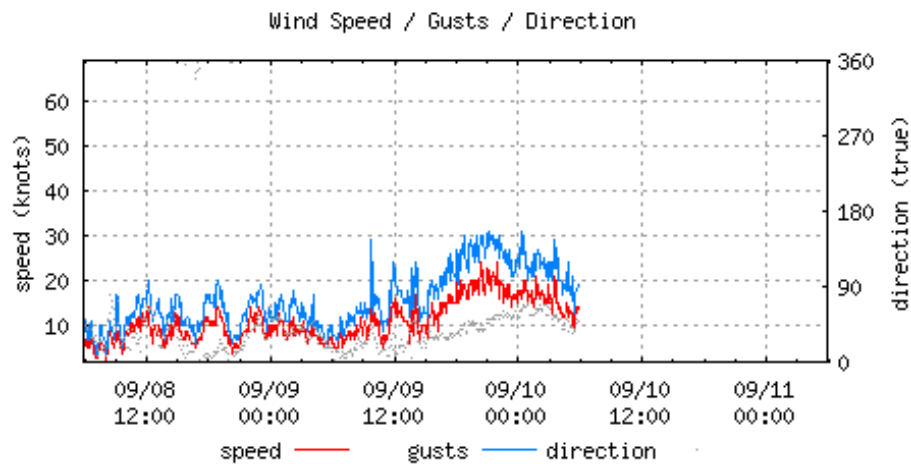
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.99 ft. Predicted: -3.61 ft. Residual: 1.62 ft.

Historical Maximum Water Level: Sep 26 2004, 4.01 ft.

Next High Tide: 09/10/2017 11:27 (EDT), 0.54 ft.

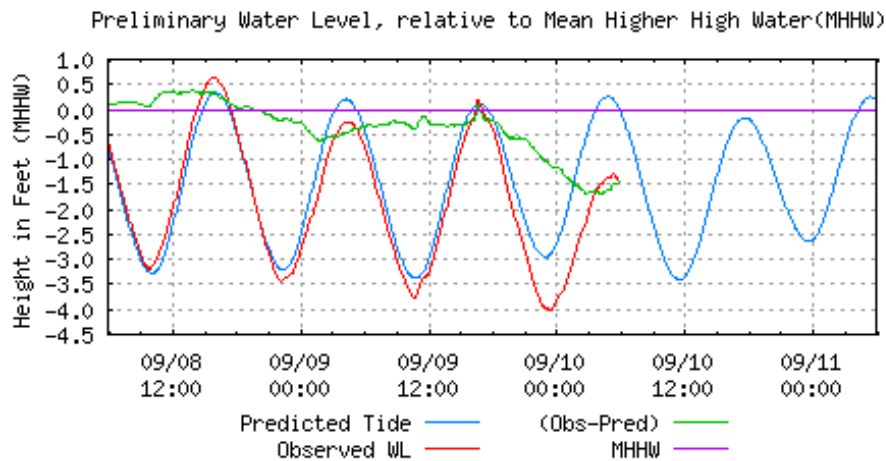
NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 13 knots Gusts: 20 knots Direction: 48° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



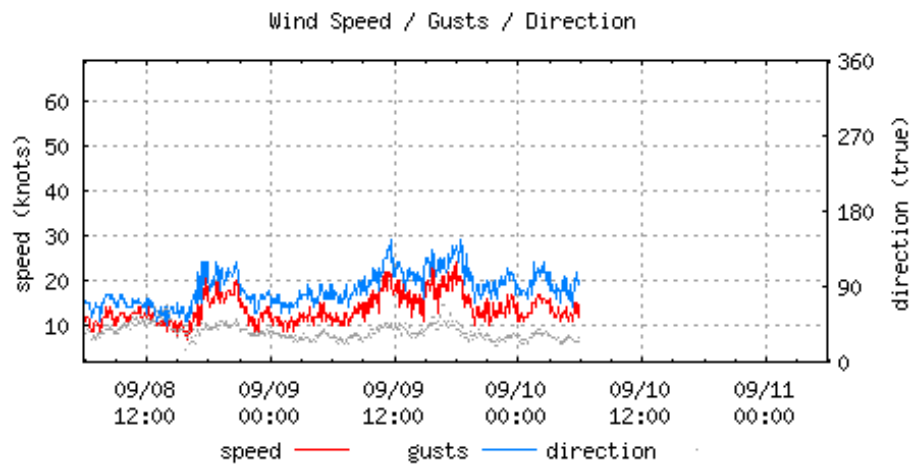
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.46 ft. Predicted: -0.03 ft. Residual: -1.43 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 09/10/2017 17:36 (EDT), -0.17 ft.

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

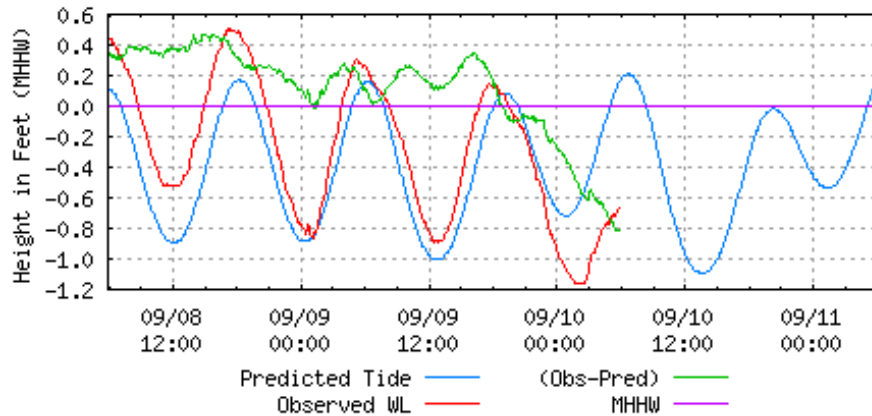


Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 12 knots Gusts: 19 knots Direction: 25° T

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

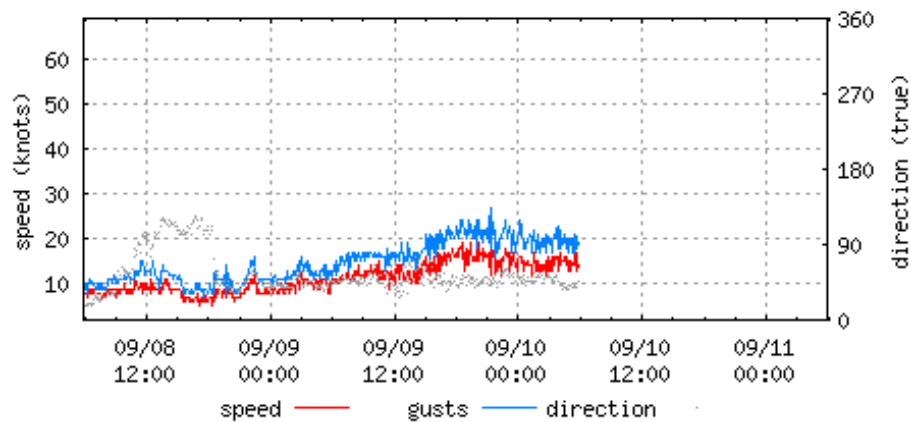
Observed: -0.66 ft. Predicted: 0.17 ft. Residual: -0.83 ft.

Historical Maximum Water Level: Jul 10 2005, 6.43 ft.

Next High Tide: 09/10/2017 06:40 (EDT), 0.21 ft.

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Wind Speed / Gusts / Direction

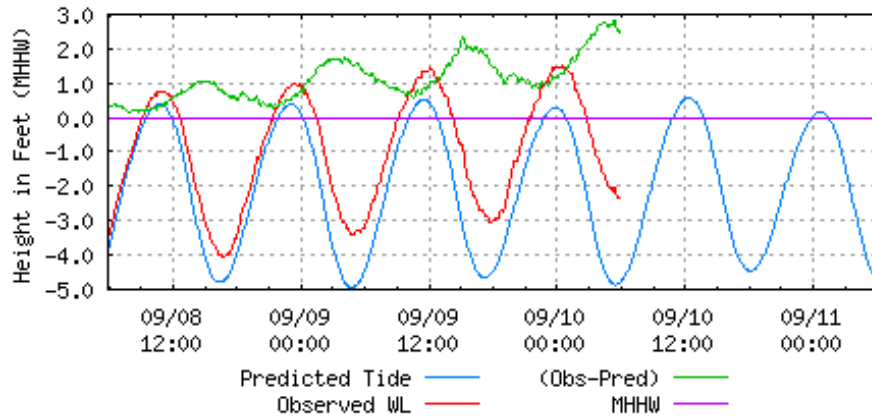


Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 15 knots Gusts: 18 knots Direction: 45° T

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

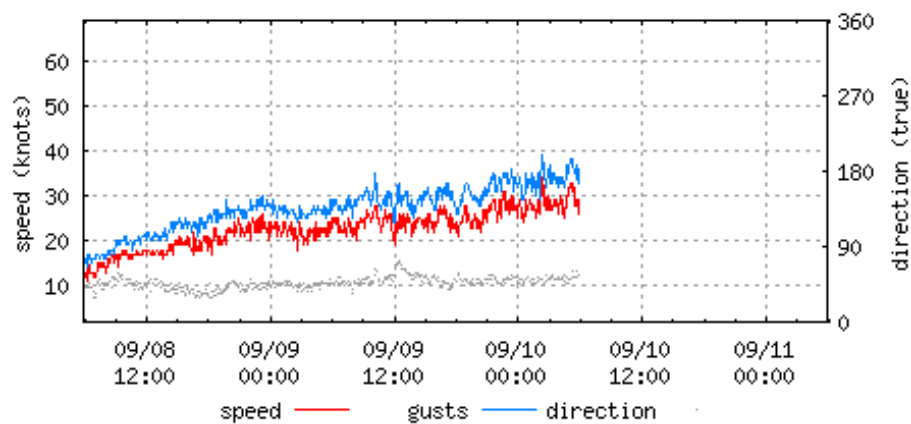
Observed: -2.35 ft. Predicted: -4.80 ft. Residual: 2.45 ft.

Historical Maximum Water Level: Oct 7 2016, 3.22 ft.

Next High Tide: 09/10/2017 12:19 (EDT), 0.58 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Wind Speed / Gusts / Direction

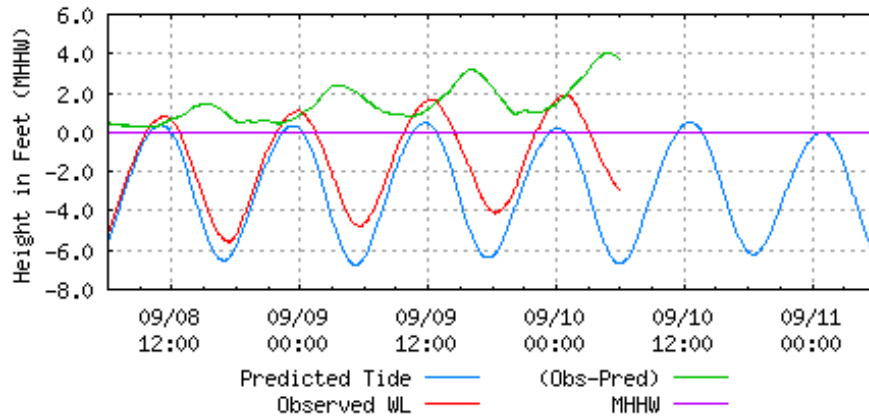


Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 29 knots Gusts: 36 knots Direction: 56° T

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

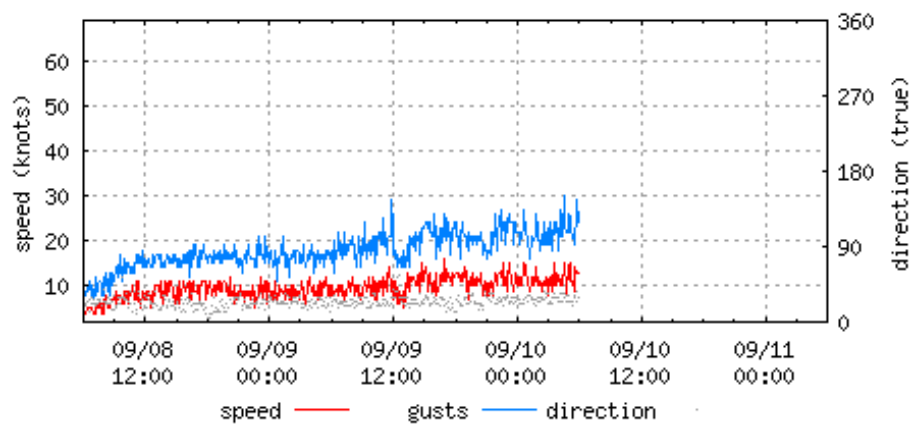
Observed: -2.92 ft. Predicted: -6.68 ft. Residual: 3.76 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 09/10/2017 12:32 (EDT), 0.51 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

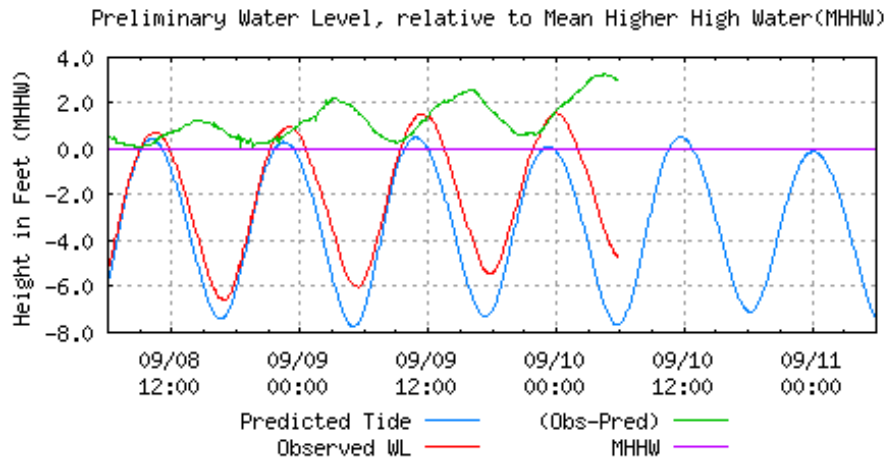
Wind Speed / Gusts / Direction



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 13 knots Gusts: 24 knots Direction: 28° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



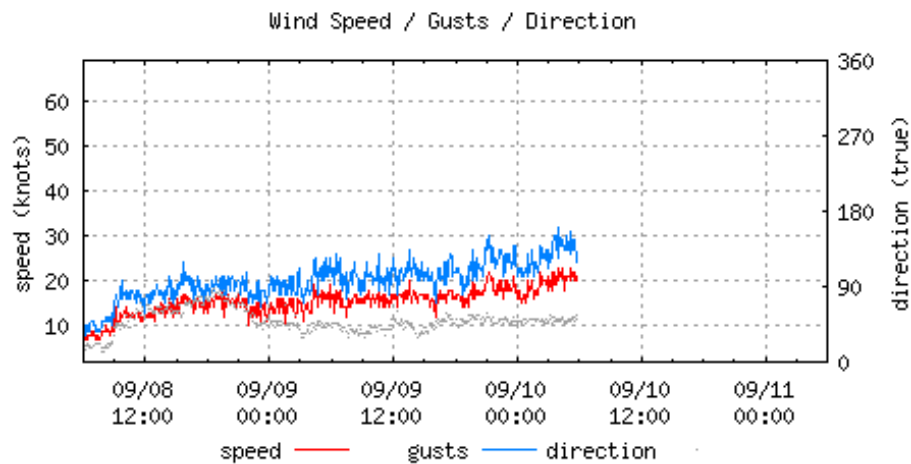
Last Observed Sample: 09/10/2017 05:48 (EDT). Data relative to MHHW

Observed: -4.69 ft. Predicted: -7.67 ft. Residual: 2.98 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 09/10/2017 11:41 (EDT), 0.53 ft.

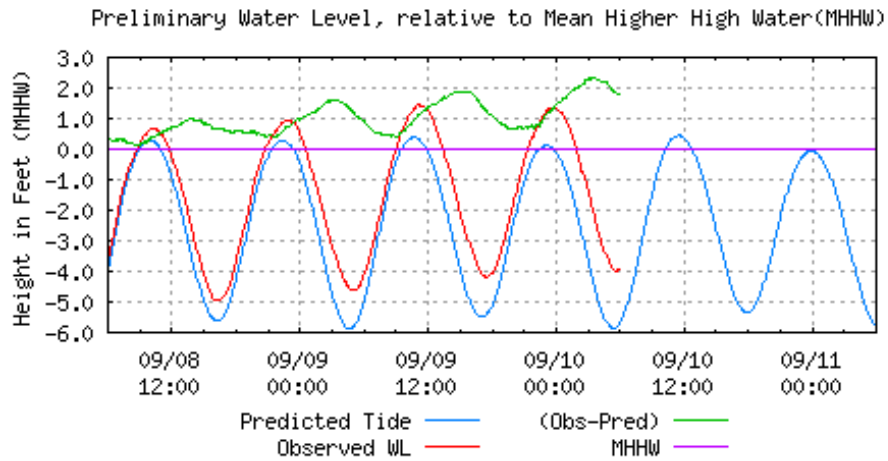
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 09/10/2017 05:48 (EDT)

Wind Speed: 21 knots Gusts: 26 knots Direction: 52° T

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



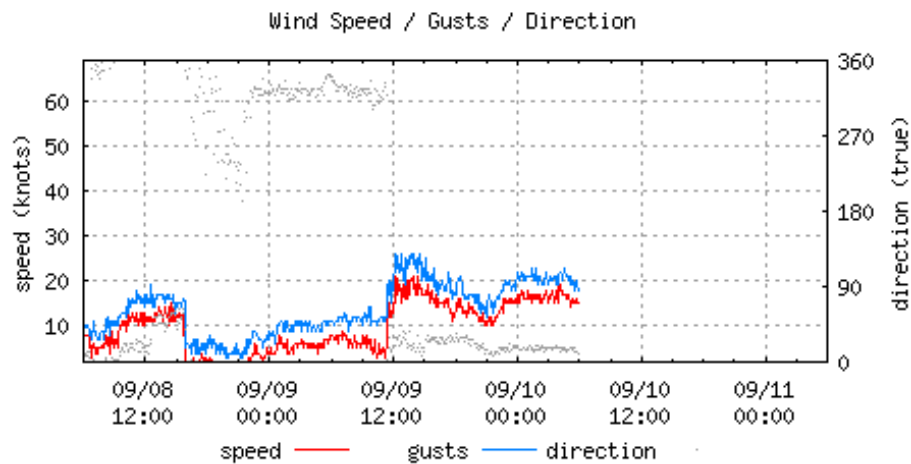
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -3.95 ft. Predicted: -5.73 ft. Residual: 1.78 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 09/10/2017 11:28 (EDT), 0.44 ft.

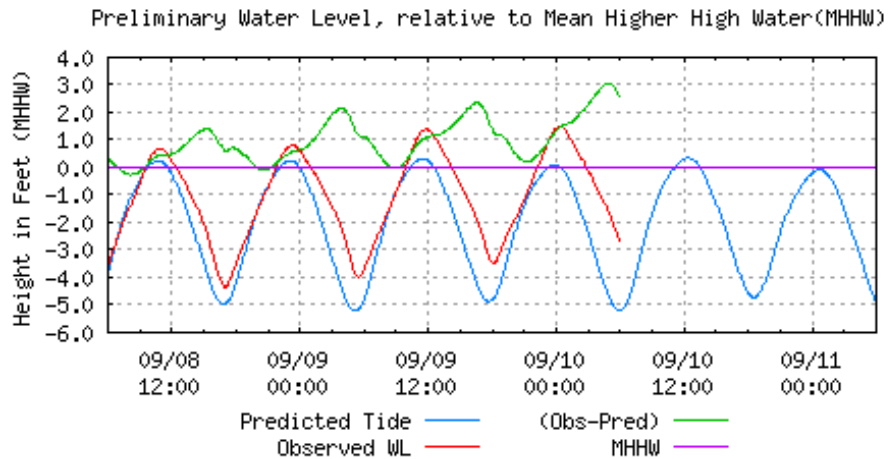
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/10/2017 05:54 (EDT)

Wind Speed: 15 knots Gusts: 18 knots Direction: 10° T

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



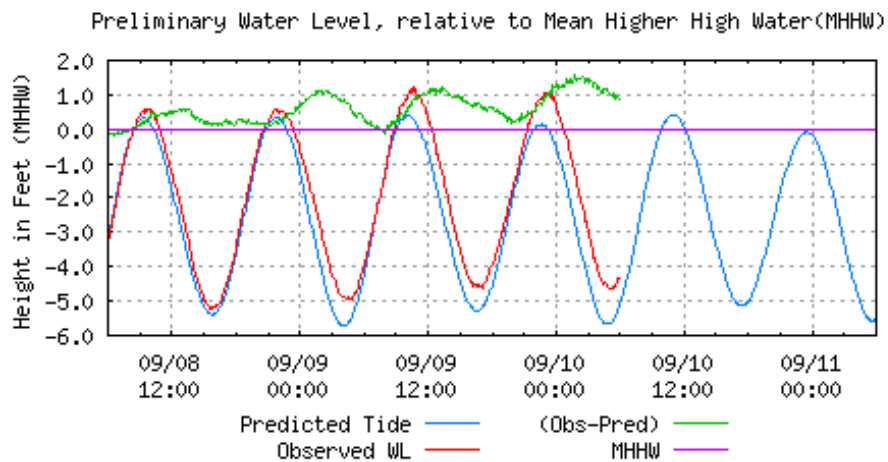
Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -2.65 ft. Predicted: -5.21 ft. Residual: 2.56 ft.

Historical Maximum Water Level: Oct 8 2016, 4.64 ft.

Next High Tide: 09/10/2017 12:23 (EDT), 0.35 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 09/10/2017 05:54 (EDT). Data relative to MHHW

Observed: -4.33 ft. Predicted: -5.20 ft. Residual: 0.87 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 09/10/2017 10:59 (EDT), 0.41 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8724580	Key West, FL	09/10/2017 05:54 (EDT)	1.28 ft	-1.38 ft	2.66 ft	1.77 ft
8723970	Vaca Key, Florida Bay, FL	09/10/2017 05:54 (EDT)	0.54 ft	0.15 ft	0.39 ft	1.35 ft
8723214	Virginia Key, Biscayne Bay, FL	09/10/2017 05:48 (EDT)	0.34 ft	-1.96 ft	2.30 ft	2.13 ft
8725110	Naples, Gulf of Mexico, FL	09/10/2017 05:54 (EDT)	-3.45 ft	-0.62 ft	-2.83 ft	0.18 ft
8722670	Lake Worth Pier, Atlantic Ocean, FL	09/10/2017 05:54 (EDT)	-1.71 ft	-2.94 ft	1.23 ft	1.13 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/10/2017 05:54 (EDT)	-2.00 ft	0.17 ft	-2.17 ft	0.03 ft
8726384	Port Manatee, FL	09/10/2017 05:54 (EDT)	-1.68 ft	-0.16 ft	-1.52 ft	-0.25 ft
8726520	St Petersburg, Tampa Bay, FL	09/10/2017 05:48 (EDT)	-1.46 ft	0.06 ft	-1.52 ft	-0.25 ft
8726724	Clearwater Beach, FL	09/10/2017 05:48 (EDT)	-1.87 ft	-0.99 ft	-0.88 ft	0.41 ft
8721604	Trident Pier, Port Canaveral, FL	09/10/2017 05:54 (EDT)	-1.99 ft	-3.61 ft	1.62 ft	1.66 ft
8727520	Cedar Key, FL	09/10/2017 05:54 (EDT)	-1.46 ft	-0.03 ft	-1.43 ft	0.17 ft
8728690	Apalachicola, FL	09/10/2017 05:54 (EDT)	-0.66 ft	0.17 ft	-0.83 ft	0.27 ft
8720218	Mayport (Bar Pilots Dock), FL	09/10/2017 05:54 (EDT)	-2.35 ft	-4.80 ft	2.45 ft	1.49 ft
8720030	Fernandina Beach, FL	09/10/2017 05:54 (EDT)	-2.92 ft	-6.68 ft	3.76 ft	1.86 ft
8670870	Fort Pulaski, GA	09/10/2017 05:48 (EDT)	-4.69 ft	-7.67 ft	2.98 ft	1.57 ft
8665530	Charleston, Cooper River Entrance, SC	09/10/2017 05:54 (EDT)	-3.95 ft	-5.73 ft	1.78 ft	1.47 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/10/2017 05:54 (EDT)	-2.65 ft	-5.21 ft	2.56 ft	1.48 ft
8661070	Springmaid Pier, SC	09/10/2017 05:54 (EDT)	-4.33 ft	-5.20 ft	0.87 ft	1.21 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce